Section 5: Verified Credits

Section 5 gives a brief overview of standard and verified credits, student-selected verified credits, and the requirements for a student-selected verified credit in Career and Technical Education.

Selected National Occupational Competency Test Institute (NOCTI) assessments have been approved by the Virginia Board of Education for student-selected verified credit in approved career and technical education courses or course sequences. You will find a list of the certifications, licenses, occupational competency assessments, and other examinations approved by the Board for student-selected verified credit. To find more information about a particular credential, refer to Section 4.

If you need more information about the Career and Technical Education Seal, see Section 6.

If you need more information about the Advanced Mathematics and Technology Seal, see Section 7.

Section 5: Verified Credits

Standard and Verified Credits

A *standard credit* is based on a minimum of 140 clock hours of instruction and successful completion of the requirements of the course.

A *verified credit* is based on a standard credit plus a passing score on the end-of-course SOL test (or other test as described in the Standards of Accreditation 8 VAC 20-131-110).

Student-Selected Verified Credit

A *student-selected verified credit* can be earned in certain elective courses that include a test approved by the Virginia Board of Education. (According to SOA 8 VAC 20-131-110.B, footnote 5: A student may utilize additional tests for earning verified credit in computer science, technology, or other areas as prescribed by the Board in 8 VAC 20-131-110.B.)

Student-Selected Verified Credit in Career and Technical Education

A student must
- successfully complete a course or course sequence that prepares him or her to earn a Board-approved industry certification or state license, **and**
- successfully complete the assessment required by the certifying or licensing agent.

Certifications, Licenses, and Assessments Approved by the Board of Education to Count toward a Student-Selected Verified Credit

Certification	Issuing Organization
A+ Certification	CompTIA
ACCESS	American Culinary Federation, Inc. (ACF)
Adobe Certified Expert	Adobe Systems Incorporated
Advanced Concepts of Business and Marketing Certificate	ASK Institute ((DECA/MarkED)
Air Conditioning Certification	HVAC Excellence
AutoCAD2000	Brainbench/Autodesk Inc.
Automotive Technician (ASE)	National Institute for Automotive Service Excellence
BICSI Registered Installer, Level 1	BICSI (International Telecommunications Association)
Brainbench Adobe Illustrator Certification	Brainbench
Brainbench Adobe PageMaker Certification	Brainbench
Brainbench Adobe Photoshop Certification	Brainbench
Brainbench Certified Internet Professional: Page Layout Certification	Brainbench
Brainbench CorelDRAW Certification	Brainbench
Brainbench Dreamweaver Certification	Brainbench
Brainbench Fireworks Certification	Brainbench
Brainbench Flash Certification	Brainbench
Brainbench HTML Certification	Brainbench
Brainbench Java Fundamentals Certification	Brainbench
Brainbench Java2 Certification	Brainbench
Brainbench JavaScript Certification	Brainbench
Brainbench Macromedia FreeHand Certification	Brainbench
Brainbench MS FrontPage 2000 Certification	Brainbench
Brainbench Quark Xpress Certification	Brainbench
Carpentry, Level 1 Certification	National Center for Construction Education & Research (NCCER)
Certification for Legal Professionals (ALS)	The Association for Legal Professionals

Certification	Issuing Organization
Certification in Convergent Network Technologies (CCNT)	ProsoftTraining
Certified Computer Service Technician (CST)	Electronics Technicians Association International (ETA)
Certified Dental Assistant: Infection Control Examination ((ICE)	Dental Assisting National Board, Inc.
Certified Dental Assistant: Radiation Health & Safety Examination (RHS)	Dental Assisting National Board, Inc.
Certified Electronics Technician (CET) Associate	Electronics Technicians Association International (ETA)
Certified Fiber Optics Installer	The Association of Communications & Electronics Schools, International
Certified Hospitality Supervisor (CHS)	American Hotel and Lodging Association (AH&LA)
Certified Internet Webmaster Associate Certification	ProsoftTraining
Certified Internet Webmaster Professional	ProsoftTraining
Certified Medical Assistant (CMA)	American Association of Medical Assistants (AAMA)
Certified Novell Administrator (CNA)	Novell
Certified Satellite Dish Installer	Electronics Technicians Association International (ETA)
Child Development Associate (CDA) National Credential	Council for Professional Recognition
Cisco Certified Network Associate (CNA)	Cisco Systems
Collision Repair and Refinishing Technician (ASE)	National Institute for Automotive Service Excellence
Commercial Air Conditioning Certification	HVAC Excellence
Commercial Refrigeration Certification	HVAC Excellence
Construction Fundamentals Certification	National Center for Construction Education & Research (NCCER)
Consumer Electronics Certification (CEC)	Electronics Technicians Association International (ETA)
Copper Based Cabling Certification	RBT Systems, Inc.
Customer Support Specialist Certification	Help Desk Institute
Damage Analysis and Estimating Certification (ASE)	National Institute for Automotive Service Excellence
Drafter Certification	American Design Drafting Association
Electric Heat Certification	HVAC Excellence
Electrical Certification	HVAC Excellence
Electrical, Level 1 Certification	National Center for Construction Education & Research (NCCER)
Emergency Medical Technician	Virginia Department of Health, Office of Emergency Medical Services
EPA Technician Certification ((Core Exams: I, II, or III)	Environmental Protection Agency (Authorized Entity)
Fiber Optic Network Cabling Certification	RBT Systems, Inc.
Fiber Optics Installer Certification (FOIC)	Electronics Technicians Association International (ETA)
Fundamental Concepts of Business and Marketing Certificate	ASK Institute (DECA/MarkED)
Gas Heat Certification	HVAC Excellence
Graymark Cable Installation Certification	Graymark International
Greenhouse Operators Certification Program	Southeast Greenhouse Growers Association
Heat Pump Certification	HVAC Excellence
Hospitality Skills Certification—Front Desk Agents	American Hotel and Lodging Association (AH&LA)
Hospitality Skills Certification—Restaurant Servers	American Hotel and Lodging Association (AH&LA)
Hospitality Skills Certification—Room Attendants	American Hotel and Lodging Association (AH&LA)
HVAC, Level 1 Certification	National Center for Construction Education & Research (NCCER)
Hydraulics Specialist Certification	Fluid Power Society
IC3 Certification	Certiport
International Computer Driving License	ICDL US
iNet+ Certification	CompTIA

Certification	Issuing Organization
Installer Core Certification (HVAC)	North American Technician Excellence, Inc. ((NATE)
IT Essentials Certificate, Level 1	Cisco Systems
IT Essentials Certificate, Level 2	Cisco Systems
Java Programming Certificate	Cisco Systems
Light Commercial Heating & Air Conditioning	Air Conditioning and Refrigeration Institute
Linux+	CompTIA
Lodging Management Program Certification (Levels 1 and/or 2)	American Hotel and Lodging Association (AH&LA)
Machining Skills--Level 1	National Institute for Metalworking Skills (NIMS)
Macromedia Certified Professional	Macromedia
Masonry, Level 1 Certification	National Center for Construction Education & Research (NCCER)
Master CIW Administrator	ProsoftTraining
Master CIW Designer	ProsoftTraining
Master CIW Enterprise Developer	ProsoftTraining
Master CIW Web Site Manager	ProsoftTraining
Metalforming Skills, Level 1	National Institute for Metalworking Skills (NIMS)
Microsoft Certified Applications Developer (MCAD)	Microsoft
Microsoft Certified Professional (MCP) (Any Microsoft Professional Certification Exam)	Microsoft
Microsoft Certified Professional (MCP): Installing, Configuring, and Administering Microsoft Windows 2000 Professional	Microsoft
Microsoft Certified Professional (MCP): Installing, Configuring, and Administering Microsoft Windows 2000 Server	Microsoft
Microsoft Certified Professional (MCP): Visual C++ 6.0	Microsoft
Microsoft Certified Professional (MCP): Visual Basic 6.0	Microsoft
Microsoft Certified Systems Administrator (MCSA)	Microsoft
Microsoft Certified Systems Engineer (MCSE)	Microsoft
Microsoft Office Specialist (MOS)	Microsoft
National Professional Certification in Customer Service	Sales & Service Voluntary Partnership (S&SVP)
Network+ Certification	CompTIA
NRDA Certification (Dental Assisting)	National Allied Health Registry/National Association for Health Professionals
NRDA Certification (Medical Assisting)	National Allied Health Registry/National Association for Health Professionals
Nurse Aide	Virginia Board of Nursing
Oil Heat Certification	HVAC Excellence
Oracle Certified Professional (Any Oracle Professional Certification Exam)	Oracle Corporation
Outdoor Power Equipment Certifications	Equipment and Engine Training Council (EETC)
Parts Specialist: Automobile or Medium/Heavy Truck	National Institute for Automotive Service Excellence
Plumbing, Level 1 Certification	National Center for Construction Education & Research (NCCER)
Pneumatic Technician	Fluid Power Society
PrintED Certification	Graphic Arts Education and Research Foundation
ProStart National Certification of Achievement	Educational Foundation of the National Restaurant Association
Residential Air Conditioning and Heating Certification	Air Conditioning and Refrigeration Institute
SENSE Training Program Certifications (Welding)	American Welding Society (AWS)
Service Core Certification ((HVAC)	North American Technician Excellence, Inc. ((NATE)
START Certification	American Hotel and Lodging Association (AH&LA)

Certification	Issuing Organization
Sun Certified Developer for the Java 2 Platform	Sun Microsystems
Unix Certificate	Cisco Systems
Voice and Data Cabling Certificate	Cisco Systems
Web Design Certificate	Cisco Systems
Welding, Level 1 Certification	National Center for Construction Education & Research (NCCER)
WOW Certified Apprentice Webmaster (CAW)	World Organization of Webmasters
WOW Certified Web Administrator Apprentice (CWAA)	World Organization of Webmasters
WOW Certified Web Designer Apprentice (CWDSA)	World Organization of Webmasters
WOW Certified Web Developer Apprentice (CWDVA)	World Organization of Webmasters
Licensing	**Issuing Organization**
Cosmetology	Virginia Board of Cosmetology (Department of Professional and Occupational Regulations)
Nail Technician	Virginia Board of Cosmetology (Department of Professional and Occupational Regulations)
Real Estate Salesperson	Virginia Real Estate Board (Department of Professional and Occupational Regulations)
Assessments	**Issuing Organization**
Advertising and Design Assessment	National Occupational Competency Testing Institute (NOCTI)
Agriculture Mechanics Assessment	NOCTI
Air Cooled Gas Engine Assessment	NOCTI
Audio-Visual Communications Assessment	NOCTI
Cabinetmaking Assessment	NOCTI
Carpentry Assessment	NOCTI
Clothing and Textiles Management and Production Assessment	NOCTI
Commercial Foods Assessment	NOCTI
Construction Electricity Assessment	NOCTI
Construction Masonry—Blocklaying Assessment	NOCTI
Construction Masonry—Bricklaying Assessment	NOCTI
Dental Assisting Assessment	NOCTI
Early Childhood Care and Education Assessment	NOCTI
Food Production Management and Services Assessment	NOCTI
Forestry Products & Processing Assessment	NOCTI
Graphic Communication Technology Assessment	NOCTI
Horticulture—Floriculture Assessment	NOCTI
Horticulture—Landscaping Assessment	NOCTI
Horticulture—Olericulture Assessment	NOCTI
Hospitality Management—Food and Beverage Option Assessment	NOCTI
Hospitality Management—Lodging Option	NOCTI
Law Enforcement Assessment	NOCTI
Medical Assisting Assessment	NOCTI
Plumbing Assessment	NOCTI
Practical Nursing Assessment	NOCTI
Production Agriculture Assessment	NOCTI
Retail Trades	NOCTI
Examination	**Issuing Organization**
Advanced Placement Computer Science A	The College Board
Advanced Placement Computer Science AB	The College Board
College Level Examination Program (CLEP): Information Systems and Computer Applications	The College Board

Certification	Issuing Organization
International Baccalaureate Computer Science (Standard Level)	The International Baccalaureate Organization
International Baccalaureate Computer Science ((Higher Level)	The International Baccalaureate Organization
International Baccalaureate Information Technology in a Global Society (IB6613) (Standard Level)	The International Baccalaureate Organization